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NEAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: McARTHUR, et al.

Serial No.: 10/039,426

Conf. No.: 8965

Filed: January 4, 2002

For: METHOD AND APPARATUS FOR  
PROPER ORDERING OF  
REGISTRATION DATA

Art Unit: 2851

Examiner: Unassigned

I hereby certify that this paper and the attached  
papers are being deposited with the United States  
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addressed to:

Commissioner for Patents  
US Patent and Trademark Office  
PO Box 2327  
Arlington, VA 22202, on this date.

4/10/02  
Date

Michelle Melendez  
Michelle Melendez

PRELIMINARY AMENDMENT

Commissioner for Patents  
US Patent and Trademark Office  
PO Box 2327  
Arlington, VA 22202

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Dear Sir:

Preliminary to examination of the above-captioned patent application, please  
amend the specification as follows:

IN THE SPECIFICATION:

Please amend the specification as follows (a marked up copy of the amended  
specification is attached to this Amendment):

**Please replace the paragraph at page 3, lines 3-19, with the following:**

Figure 5(a) shows a typical overlay displacement vector 502 representing the  
x-shift and y-shift vector overlay error associated with a misaligned frame-in-frame  
alignment attribute. In some cases the overlay error can be measured using special  
in-situ exposure tool metrology See Direct-referencing automatic two-points reticle-  
to-wafer alignment using a projection column servo system, *supra*. Many

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Michelle Melendez  
Michelle Melendez

TRANSMITTAL LETTER

Commissioner for Patents  
US Patent and Trademark Office  
PO Box 2327  
Arlington, VA 22202

Sir:

Transmitted herewith is a Preliminary Amendment with an attachment of marked up paragraphs for filing in connection with the above-identified application. Because this Preliminary Amendment is filed prior to receipt of a first office action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

[ X ] The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §§1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,  
HELLER, EHRMAN, WHITE & McAULIFFE LLP

By:

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